

METHOD AND STRUCTURE FOR PRIVACY PRESERVING DATA MINING

ABSTRACT

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A method (and structure) for conducting a survey, includes, for each question in the survey, establishing a bin for each of a possible response to the question. For each bin, a perturbing mechanism is established that perturbs a content of the bin. The perturbing mechanism has a statistical parameter having a known value. An estimation for the distribution of the survey answers is obtained by averaging the perturbed contents of the bins and subtracting the corresponding known statistical parameter value.